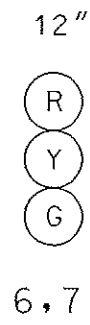


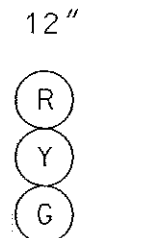
MD 28 DARNESTOWN ROAD IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

EXISTING SIGNALS TO BE RELOCATED

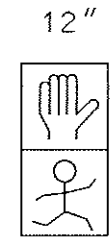


6,7

PROPOSED SIGNALS

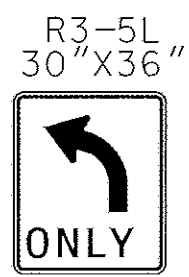


1,2,3,4,5, 8,9,10

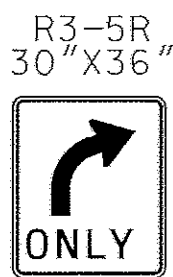


11-16

PROPOSED SIGNS



19



18,20



INSTALLED WITH PUSHBUTTON 21,22



17

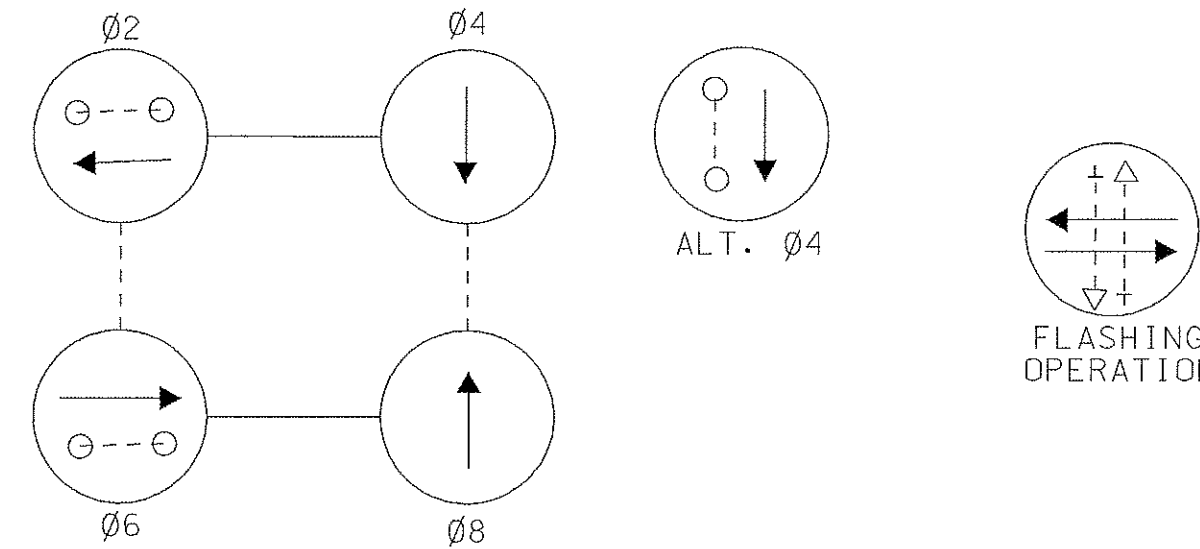
SAFESWAY DRIVEWAY

EXISTING R/W LINE AND DEDICATION LINE

DARNESTOWN ROAD

QUINCE ORCHARD HIGH SCHOOL

NEMA PHASING

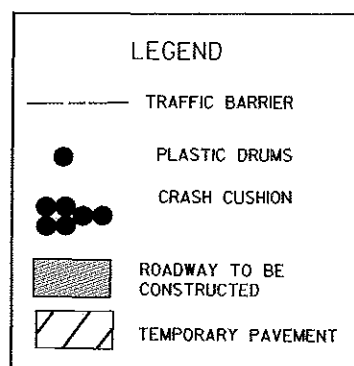


NEMA PHASING NOTES

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

TO DARNESTOWN

TO ROCKVILLE



CONSTRUCTION DETAILS

- INSTALL 12 INCH X 30 FOOT STRAIN POLE, SIGNAL HEADS, PEDESTRIAN SIGNALS, SIGNS, AND 20 FOOT LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE WITH PHOTOCELL CELL AS SHOWN.
- INSTALL 12 INCH X 30 FOOT STRAIN POLE, SIGNAL HEADS, PEDESTRIAN SIGNALS, SIGNS, PEDESTRIAN PUSHBUTTON AND SIGN AS SHOWN.
- MAINTAIN EXISTING STRAIN POLE, RELOCATE EXISTING SIGNAL HEADS, INSTALL PROPOSED PEDESTRIAN SIGNAL HEADS AS SHOWN.
- MAINTAIN EXISTING STRAIN POLE, LAMP, AND LUMINAIRE, REMOVE EXISTING SIGNALS AND SIGNS AS SHOWN.
- INSTALL 6 FOOT X 30 FOOT QUADRUPOLE TYPE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
- INSTALL ELECTRICAL HANDHOLE.
- USE EXISTING ELECTRICAL HANDHOLE.
- INSTALL 24 INCH WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE.
- INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
- INSTALL 3 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE).
- CAP AND ABANDON EXISTING ELECTRICAL CONDUIT.
- REMOVE EXISTING ELECTRICAL HANDHOLE.
- REMOVE EXISTING STRAIN POLE, SIGNAL HEADS, SIGNS, LIGHTING ARM, LAMP, AND LUMINAIRE AND FOUNDATION AS SHOWN.
- REMOVE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS, SIGNS AND FOUNDATION AS SHOWN.
- ABANDON EXISTING DETECTOR.
- MAINTAIN EXISTING CONTROLLER, CABINET AND POWER FEED.
- USE EXISTING ELECTRICAL CONDUIT.
- INSTALL 10 FOOT PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN AS SHOWN.
- REMOVE EXISTING STRAIN POLE, SIGNAL HEADS, SIGNS AND FOUNDATION AS SHOWN.

NOTES:

- 1) ALL EQUIPMENT REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR EXCEPT FOR THOSE ITEMS LISTED ON THE GENERAL INFORMATION SHEET.
- 2) PAVEMENT MARKINGS DETAILED ARE AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS. ALL OTHER PAVEMENT MARKINGS NOT DETAILED ARE FOUND ON SIGNING AND PAVEMENT MARKING PLANS.
- 3) D.O. INDICATES DELAY OUTPUT LOOP DETECTOR.
- 4) ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE FIELD LOCATED. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.
- 5) GEOMETRICS SHALL BE CONFIRMED PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT.
- 6) LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- 7) REFER TO THE TRAFFIC CONTROL PLAN FOR TEMPORARY SIGNING AND PAVEMENT MARKINGS.
- 8) UNLESS OTHERWISE NOTED, ALL EXISTING SIGNAL EQUIPMENT SHALL BE MAINTAINED.
- 9) REFER TO ULTIMATE GENERAL INFORMATION SHEET FOR PROJECT DESCRIPTION, MAINTAIN EXISTING PHASING UNLESS OTHERWISE SHOWN ON GENERAL INFORMATION PLAN.
- 10) ALL DISCONNECTING AND SPLICING OF INTERCONNECT CABLE SHALL BE PERFORMED BY MONTGOMERY COUNTY DIVISION OF TRAFFIC AND PARKING SERVICES PERSONNEL.

GEOMETRICS LEGEND

PROPOSED GEOMETRICS
EXISTING GEOMETRICS

LEGEND OF UTILITIES

WATER
GAS
UNDERGROUND TELEPHONE
SANITARY SEWER
UNDERGROUND ELECTRIC
AERIAL
STORM DRAIN
SEWAGE FORCE MAIN
CABLE TV

REVISION 'A'

KCI
TECHNOLOGIES INC.
ENGINEERS AND PLANNERS
10 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
21030-1888
(410) 316-7800

REVISIONS	APPROVALS
	PROJECT MANAGER, SIGNAL DESIGN DIVISION
	ORIGINAL
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	ON
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	FILE
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
PHASE I CONSTRUCTION
MD 28 (DARNESTOWN RD) & SAFESWAY DRIVEWAY/QUINCE ORCHARD H.S. DRIVEWAY

DRAWN BY: R.R. ZACHERL	F.A.P. NO. BW-580-802-312	TS NO. 3351A-PX-1	SHEET NO. OF
CHECKED BY: STEVE RENZI	S.H.A. NO. MONTGOMERY	T.I.M.S. NO. D107	
SCALE: 1"=20'	LOG MILE: 15002815.51		
DATE: 7-19-93			